

=> D HIS

(FILE 'HOME' ENTERED AT 06:38:07 ON 29 NOV 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS' ENTERED AT 06:38:29 ON 29 NOV 2004

L1 1444 S (LUBITZ, ?)/IN,AU  
L2 65 S (JECHLINGER, ?)/IN,AU  
L3 1428 S (SZOSTAK, ?)/IN,AU  
L4 11401 S (WITTE, ?)/IN,AU  
L5 12 S L1 AND L2 AND L3 AND L4  
L6 14124 S L1 OR L2 OR L3 OR L4  
L7 3 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)  
L8 4 S THERMOSTAB? (S) .LAMBDA (S) ("OR" OR "OL" OR OPERATOR?)  
L9 4 DUPLICATE REMOVE L8 (0 DUPLICATES REMOVED)  
L10 5 S THERMOSTAB? (S) (MUTANT OR MUTAT?) (S) ("OR" OR "OL" OR OPERA  
L11 3 S L10 AND (PHAGE OR BACTERIOPHAGE OR .LAMBDA)  
L12 1 S L11 NOT L9  
L13 895 S INCREAS? (S) (BINDING OR TEMPERATURE) (S) ("OR" OR "OL" OR OP  
L14 51 S L13 (S) .LAMBDA  
L15 49 S (HIGHER OR INCREAS?) (S) BINDING (S) TEMPERATURE (S) ("OR" OR  
L16 25 S L15 AND REPRESSOR?  
L17 4 S L16 AND (.LAMBDA OR LAMBDA)  
L18 2 DUPLICATE REMOVE L17 (2 DUPLICATES REMOVED)  
L19 8 S L15 AND (PHAGE OR BACTERIOPHAGE)  
L20 6 DUPLICATE REMOVE L19 (2 DUPLICATES REMOVED)  
L21 4 S L20 NOT L18  
L22 741 S (PTASHNE, ?)/IN,AU  
L23 224 S L22 AND (LAMBDA OR .LAMBDA)  
L24 97 S L23 AND (OPERATOR OR "OL" OR "OR")  
L25 18 S L23 AND ((OPERATOR OR "OL" OR "OR") (S) (MUTAT? OR MUTANT))  
L26 152058 S (HIGHER OR INCREAS?) (S) (TEMPERATURE OR THERMOSTABILIT?)  
L27 3 S L26 AND L24  
L28 1 DUPLICATE REMOVE L27 (2 DUPLICATES REMOVED)  
L29 35 S L26 AND ((OPERATOR OR "OL" OR "OR") (S) (MUTAT? OR MUTANT))  
L30 4 S L29 AND (.LAMBDA OR LAMBDA)  
L31 2 DUPLICATE REMOVE L30 (2 DUPLICATES REMOVED)  
L32 0 S (LOWER? OR DECREAS?) (S) SENSITIVIT? (S) (TEMPERATURE OR THERM  
L33 7118 S (LOWER? OR DECREAS?) (S) SENSITIV? (S) (TEMPERATURE OR THERMO  
L34 47 S L33 AND (.LAMBDA OR LAMBDA)  
L35 0 S L34 AND (OPERATOR? OR "OL" OR "OR")  
L36 37 DUPLICATE REMOVE L34 (10 DUPLICATES REMOVED)  
L37 14 S L36 AND (PHAGE OR BACTERIOPHAGE)

=>

FILE 'CA, CAPLUS, TOXCENTER, GENBANK, USPATFULL' ENTERED AT 07:53:42 ON  
29 NOV 2004

L2 6 S L1  
L3 5 DUPLICATE REMOVE L2 (1 DUPLICATE REMOVED)

=>

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	190	lubitz-\$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:33
L2	2	jechlenger-\$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:33
L3	0	szostak-\$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L4	133	szostak-\$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L5	2135	witte-\$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L6	1	lubitz-\$.in. and jechlinger-\$.in. and szostak-\$.in. and witte-\$. in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L7	2452	lubitz-\$.in. or jechlinger-\$.in. or szostak-\$.in. or witte-\$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L8	9	(lubitz-\$.in. or jechlinger-\$.in. or szostak-\$.in. or witte-\$.in.) and lambd\$4 and operator\$1	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L9	825	thermostab\$6 and lambd\$4 and operator\$1	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L10	782	thermostab\$6 and lambd\$4 and operator\$1 and (phage or bacteriophage)	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L11	2	thermostab\$6 with lambd\$4 with (operator\$1 or "OR" or "OL")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:35

L12	1	(increas\$4 with temperature) with lambd\$4 with (operator\$1 or "OR" or "OL")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:00
L13	11	mutat\$4 with lambd\$4 with (operator\$1 or "OR" or "OL")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:35
L14	1	mutat\$4 with lambd\$4 with (operator\$1 or "OR" or "OL") with thermostab\$8	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:35
L15	14	(LOWER\$4 OR DECREAS\$6) WITH SENSITIV\$8 WITH (TEMPERATURE OR THERMOSTABILITY) WITH (OPERATOR\$1 OR "OL" OR "OR")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:01
L16	14	15 NOT (13 OR 14 OR 11 OR 12)	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:01
L17	2	16 AND (LAMBDA OR " LAMBDA")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:01

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPAT1636GXL

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 01 INPADOC: New family current-awareness alert (SDI) available  
NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 5 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX  
NEWS 6 SEP 27 STANDARDS will no longer be available on STN  
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN  
NEWS 8 OCT 28 KOREAPAT now available on STN  
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current  
search transcripts to be affected by CERAB, COMPUAB, ELCOM,  
and SOLIDSTATE reloads

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:47:19 ON 29 NOV 2004

=> FILE REGISTRY	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:47:32 ON 29 NOV 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file

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STRUCTURE FILE UPDATES: 26 NOV 2004 HIGHEST RN 789461-15-0  
DICTIONARY FILE UPDATES: 26 NOV 2004 HIGHEST RN 789461-15-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> S ATCTAACACCGCGCGTGTGACTATTTTAC/SQSN  
L1 6 ATCTAACACCGCGCGTGTGACTATTTTAC/SQSN

=> D SEQ LC

L1 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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     501 cagggtactc atactactt ctaagtgaag gctgcatact aaccgcttca
     551 tacatctcgt agatttctct ggcgattgaa gggctaaatt cttcaacgct
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     701 tctgcgacag attcctggga taagccaagt tcatttttct ttttttcata
     751 aattgcttta aggcgacgtg cgtcctcaag ctgctcttgt gttaatggtt
     801 tcttttttgt gctcatatct taaatctatc accgcaaggg ataaatatct
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     851 aacaccgcgc gtgttgacta ttttacctct ggcggtgata atggttgcat
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2751 atgtagggtg tcaacaattt taattgcagg ggcttcggcc cttacttgag
2801 gataaattat gtctaattt caaactggcg ccga

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HITS AT: 847-876

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*  
 LC STN Files: GENBANK

=> D HIS

(FILE 'HOME' ENTERED AT 07:47:19 ON 29 NOV 2004)

FILE 'REGISTRY' ENTERED AT 07:47:32 ON 29 NOV 2004

L1 6 S ATCTAACACCGCGCGTGTGACTATTTTAC/SQSN

=> D SEQ LC 1-6 L1

L1 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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SEQ      1 atttactatg ttatgttctg aggggagtga aaattcccct aattcgatga
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     651 tgatgccatt aaataaagca ccaacgcctg actgccccat ccccatcttg
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     751 aattgcttta aggcgacgtg cgtcctcaag ctgctcttgt gttaatggtt
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     851 aacaccgcgc gtgttgacta ttttacctct ggcggtgata atggttgcat
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2801 gataaattat gtctaattat caaactggcg ccga

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HITS AT: 847-876

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: GENBANK

L1 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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SEQ      1 atttactatg ttatgttctg aggggagtga aaattcccct aattcgatga
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1551 ttcggccctt acttgaggat aaattatgtc taatattcaa actggcgccg
1601 a

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HITS AT: 847-876

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: GENBANK

L1 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

```

SEQ      1 acgttaaatc tatcaccgca agggataaat atctaacacc gcgcgtgttg
          =====
          51 actattttac ctctggcggt gataatgggt gc
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HITS AT: 31-60

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: GENBANK

L1 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

```

SEQ      1 atttactatg ttatgttctg aggggagtga aaattcccct aattcgatga
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HITS AT: 847-876

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: CA, CAPLUS, TOXCENTER

L1 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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HITS AT: 847-876

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: CA, CAPLUS, TOXCENTER

L1 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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HITS AT: 31-60

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

LC STN Files: CA, CAPLUS, TOXCENTER

=> FILE CA CAPLUS TOXCENTER GENBANK USPATFULL  
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	72.14	72.35

FILE 'CA' ENTERED AT 07:53:42 ON 29 NOV 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 29 NOV 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'TOXCENTER' ENTERED AT 07:53:42 ON 29 NOV 2004  
COPYRIGHT (C) 2004 ACS

FILE 'GENBANK' ENTERED AT 07:53:42 ON 29 NOV 2004

FILE 'USPATFULL' ENTERED AT 07:53:42 ON 29 NOV 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> S L1

L2 6 L1

=> DUPLICATE REMOVE L2

DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
DUPLICATE PREFERENCE IS 'CA, CAPLUS, TOXCENTER, GENBANK'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):N  
PROCESSING COMPLETED FOR L2

L3 5 DUPLICATE REMOVE L2 (1 DUPLICATE REMOVED)

=> D L3 1-5 IBIB AB HITRN

NO VALID FORMATS ENTERED FOR FILE 'GENBANK'

In a multifile environment, each file must have at least one valid format requested. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):IBIB AB

NO VALID FORMATS ENTERED FOR FILE 'GENBANK'

In a multifile environment, each file must have at least one valid format requested. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):TI

L3 ANSWER 1 OF 5 CA COPYRIGHT 2004 ACS on STN DUPLICATE 1  
TI New PR and PL promoter derivatives from lambdoid phages with altered thermostability of repressor binding and their uses

L3 ANSWER 2 OF 5 TOXCENTER COPYRIGHT 2004 ACS on STN  
TI New PR and PL promoter derivatives from lambdoid phages with altered thermostability of repressor binding and their uses

L3 ANSWER 3 OF 5 GENBANK® COPYRIGHT 2004 on STN  
TITLE (TI): NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION

L3 ANSWER 4 OF 5 GENBANK® COPYRIGHT 2004 on STN  
TITLE (TI): NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION

L3 ANSWER 5 OF 5 GENBANK® COPYRIGHT 2004 on STN  
TITLE (TI): NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION

=> D D 3-5 L3

'D' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):D

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REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):FILEDEFAULT

L3 ANSWER 3 OF 5 GENBANK® COPYRIGHT 2004 on STN

LOCUS (LOC): A92636 GenBank (R)  
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 GenBank VERSION (VER): A92636.1 GI:6741281  
 CAS REGISTRY NO. (RN): 389768-49-4  
 SEQUENCE LENGTH (SQL): 2834  
 MOLECULE TYPE (CI): DNA; linear  
 DIVISION CODE (CI): Patent  
 DATE (DATE): 22 Jan 2000  
 DEFINITION (DEF): Sequence 7 from Patent WO9807874.  
 SOURCE: unidentified.  
 ORGANISM (ORGN): unidentified  
 unclassified  
 NUCLEIC ACID COUNT (NA): 683 a 702 c 709 g 740 t  
 REFERENCE: 1 (bases 1 to 2834)  
 AUTHOR (AU): Jechlinger, W.; Lubitz, W.  
 TITLE (TI): NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION  
 JOURNAL (SO): Patent: WO 9807874-A 7 26-FEB-1998; JECHLINGER WOLFGANG  
 (AT); LUBITZ WERNER (AT)

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L3 ANSWER 4 OF 5

GENBANK® COPYRIGHT 2004 on STN

LOCUS (LOC): A92633 GenBank (R)  
 GenBank ACC. NO. (GBN): A92633  
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 CAS REGISTRY NO. (RN): 389768-48-3  
 SEQUENCE LENGTH (SQL): 1601  
 MOLECULE TYPE (CI): DNA; linear  
 DIVISION CODE (CI): Patent  
 DATE (DATE): 22 Jan 2000

DEFINITION (DEF): Sequence 4 from Patent WO9807874.  
 SOURCE: unidentified.  
 ORGANISM (ORGN): unidentified  
 unclassified  
 NUCLEIC ACID COUNT (NA): 403 a 370 c 359 g 469 t  
 REFERENCE: 1 (bases 1 to 1601)  
 AUTHOR (AU): Jechlinger, W.; Lubitz, W.  
 TITLE (TI): NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION  
 JOURNAL (SO): Patent: WO 9807874-A 4 26-FEB-1998; JECHLINGER WOLFGANG  
 (AT); LUBITZ WERNER (AT)

# FEATURES (FEAT):

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L3 ANSWER 5 OF 5 GENBANK® COPYRIGHT 2004 on STN

LOCUS (LOC): A92631 GenBank (R)  
 GenBank ACC. NO. (GBN): A92631  
 GenBank VERSION (VER): A92631.1 GI:6741276  
 CAS REGISTRY NO. (RN): 389768-47-2  
 SEQUENCE LENGTH (SQL): 82  
 MOLECULE TYPE (CI): DNA; linear  
 DIVISION CODE (CI): Patent  
 DATE (DATE): 22 Jan 2000  
 DEFINITION (DEF): Sequence 2 from Patent WO9807874.  
 SOURCE: unidentified.  
 ORGANISM (ORGN): unidentified  
 unclassified  
 NUCLEIC ACID COUNT (NA): 22 a 18 c 18 g 24 t  
 REFERENCE: 1 (bases 1 to 82)  
 AUTHOR (AU): Jechlinger,W.; Lubitz,W.  
 TITLE (TI): NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION  
 JOURNAL (SO): Patent: WO 9807874-A 2 26-FEB-1998; JECHLINGER WOLFGANG  
 (AT); LUBITZ WERNER (AT)

# FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..82	/organism="unidentified" /db-xref="taxon:32644"

# SEQUENCE (SEQ):

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 61 ctctggcggt gataatgggt gc

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L3 ANSWER 1 OF 5 CA COPYRIGHT 2004 ACS on STN DUPLICATE 1  
 ACCESSION NUMBER: 128:201820 CA  
 TITLE: New PR and PL promoter derivatives from lambdoid  
 phages with altered thermostability of repressor  
 binding and their uses  
 INVENTOR(S): Lubitz, Werner; Jechlinger, Wolfgang; Szostak, Michael  
 PATENT ASSIGNEE(S): Lubitz, Werner, Austria; Jechlinger, Wolfgang;  
 Szostak, Michael  
 SOURCE: PCT Int. Appl., 44 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9807874	A2	19980226	WO 1997-EP4560	19970821
WO 9807874	A3	19980326		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
 DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,  
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,



UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,  
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,  
 GN, ML, MR, NE, SN, TD, TG

DE 19633698	A1	19980226	DE 1996-19633698	19960821
CA 2263848	AA	19980226	CA 1997-2263848	19970821
AU 9746178	A1	19980306	AU 1997-46178	19970821
AU 725462	B2	20001012		
EP 935664	A2	19990818	EP 1997-944777	19970821

R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT, IE, FI  
 NZ 334311 A 20000728 NZ 1997-334311 19970821  
 JP 2000517176 T2 20001226 JP 1998-510422 19970821

PRIORITY APPLN. INFO.:

DE 1996-19633698 A 19960821  
 WO 1997-EP4560 W 19970821

AB A process for selecting new PR- or PL-operator sequences of lambdoid phages which, compared to wild-type sequences, have a different thermostability for the binding of a repressor is described. The method uses the E gene of  $\phi$ X174 under control of the promoter as the reporter gene. After mutation, by propagation in a mutator host, plasmids were transformed into a non-mutator host carrying a cI857 gene and screened for temperature-sensitivity of lysis. Candidates were then rescreened using a lacZ gene and the effects of identified mutations confirmed by site-directed mutagenesis. New OR and OL operator sequences are reported that may be of use in expression cassettes for the manufacture of antigens for vaccines.

L3 ANSWER 2 OF 5 TOXCENTER COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:119732 TOXCENTER

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DOCUMENT NUMBER: CA12817201820C

TITLE: New PR and PL promoter derivatives from lambdoid phages with altered thermostability of repressor binding and their uses

AUTHOR(S): Lubitz, Werner; Jechlinger, Wolfgang; Szostak, Michael

CORPORATE SOURCE: ASSIGNEE: Szostak, Michael

PATENT INFORMATION: WO 987874 A2 26 Feb 1998

SOURCE: (1998) PCT Int. Appl., 44 pp.  
 CODEN: PIXXD2.

COUNTRY: AUSTRIA

DOCUMENT TYPE: Patent

FILE SEGMENT: CAPLUS

OTHER SOURCE: CAPLUS 1998:151259

LANGUAGE: German

ENTRY DATE: Entered STN: 20011116

Last Updated on STN: 20020605

AB A process for selecting new PR- or PL-operator sequences of lambdoid phages which, compared to wild-type sequences, have a different thermostability for the binding of a repressor is described. The method uses the E gene of  $\phi$ X174 under control of the promoter as the reporter gene. After mutation, by propagation in a mutator host, plasmids were transformed into a non-mutator host carrying a cI857 gene and screened for temperature-sensitivity of lysis. Candidates were then rescreened using a lacZ gene and the effects of identified mutations confirmed by site-directed mutagenesis. New OR and OL operator sequences are reported that may be of use in expression cassettes for the manufacture of antigens for vaccines.

=> D HIS

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FILE 'REGISTRY' ENTERED AT 07:47:32 ON 29 NOV 2004

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